

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	4	("3715669"   "4118750"   "5865538"   "5917691"). PN.	US-PGPUB; USPAT	OR	ON	2008/09/10 14:28
S2	2	"2005098292"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/09/10 14:35
S3	10	("2838719"   "3202967"   "3715669"   "3828225"). PN. OR ("4118750"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/10 14:42
S4	13	("2975272"   "3359416"   "3450873"). PN. OR ("3715669"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/10 14:44
S5	41	(failsafe fail?safe) with (gas adj valve)	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/10 14:45
S6	22	S5 and (frequency frequencies)	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/10 14:45
S7	5137160	@ad<"20050317"	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/10 14:45
S8	15	S6 and S7	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/10 14:45
S9	15	("3812382"   "4215383"   "4327693"   "4600966"   "4862866"   "4865538"   "4950974"   "5074780"   "5085574"   "5523632"). PN. OR ("5889645"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/10 14:48
S10	5	S9 and S7 and (frequency)	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/10 14:48
S11	681	F16K031/00	US-PGPUB; USPAT	OR	ON	2008/09/10 14:59
S12	0	S11 and (gas adj valve) and (frequency)	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/10 14:59

S13	45	S11 and valve and (frequency)	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/10 14:59
S14	34	S13 and S7	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/10 14:59
S15	104174	(gas near3 valve)	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/10 15:00
S16	169907	frequency near2 (successive succeeding alternating different)	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/10 15:00
S17	1137	S15 and S16 and S7	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/10 15:00
S18	561	S17 and (open with valve)	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/10 15:01
S19	34	S17 and (frequency with (open with valve))	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/10 15:02
S20	1	("20070159761").PN.	US-PGPUB; USPAT	OR	OFF	2008/09/10 16:05
S21	411	relay with driver and darlington	US-PGPUB; USPAT	OR	ON	2008/09/10 16:06
S22	309	(relay with driver) and (darlington with transistor)	US-PGPUB; USPAT	OR	ON	2008/09/10 16:06
S23	97	S22 and (darlington same (diode and resistor and capacitor))	US-PGPUB; USPAT	OR	ON	2008/09/10 16:07
S24	97	S23 and S7	US-PGPUB; USPAT	OR	ON	2008/09/10 16:07
S25	1	S24 and (two near2 darlington)	US-PGPUB; USPAT	OR	ON	2008/09/10 16:08
S26	0	(darlington adj circuits!) same (resistor with series with capacitor)	US-PGPUB; USPAT	OR	ON	2008/09/10 16:12
S27	18	(darlington adj circuits!) same (resistor with capacitor)	US-PGPUB; USPAT	OR	ON	2008/09/10 16:12
S28	3308	valve with (failsafe fail? safe)	US-PGPUB; USPAT	OR	ON	2009/02/04 11:36
S29	22727	(first adj frequency) with (second adj frequency)	US-PGPUB; USPAT	OR	ON	2009/02/04 11:37
S30	5166592	@ad<"20050317"	US-PGPUB; USPAT	OR	ON	2009/02/04 11:37
S31	4	S28 and S29 and S30	US-PGPUB; USPAT	OR	ON	2009/02/04 11:37

S32	102	(first adj frequency) with (second adj frequency) with (relay valve)	US-PGPUB; USPAT	OR	ON	2009/02/04 11:37
S33	1	S28 and S30 and S32	US-PGPUB; USPAT	OR	ON	2009/02/04 11:38
S34	80	S30 and S32	US-PGPUB; USPAT	OR	ON	2009/02/04 11:38
S35	10	("2838719"   "3202967"   "3715669"   "3828225"). PN. OR ("4118750"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/04 11:39
S36	13	("2975272"   "3359416"   "3450873").PN. OR ("3715669").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/04 11:40
S37	9	("2695378"   "4127887"   "5074780"   "5085574"   "5457595").PN. OR ("5917691").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/04 11:40
S38	6392	(relay valve coil actuator) with (failsafe (fail adj safe))	US-PGPUB; USPAT	OR	ON	2009/02/04 11:41
S39	3	S38 and S32	US-PGPUB; USPAT	OR	ON	2009/02/04 11:41
S40	8	((DERK) near2 (VEGTER)). INV.	US-PGPUB; USPAT	OR	ON	2009/02/04 11:44
S41	2920	(failsafe (fail adj safe)). clm.	US-PGPUB; USPAT	OR	ON	2009/02/04 11:46
S42	15124	((first adj frequency) with (second adj frequency)). clm.	US-PGPUB; USPAT	OR	ON	2009/02/04 11:46
S43	10	S41 and S42	US-PGPUB; USPAT	OR	ON	2009/02/04 11:47
S44	378	(first adj frequency) with (second adj frequency) with capacitor	US-PGPUB; USPAT	OR	ON	2009/02/04 11:48
S45	39	S44 and capacitor with base near2 (transistor fet mosfet bjt)	US-PGPUB; USPAT	OR	ON	2009/02/04 11:49
S46	34871	frequency with (valve actuator relay)	US-PGPUB; USPAT	OR	ON	2009/02/04 11:50
S47	564	S46 and (frequency with (charg\$3 discharg\$3) with capacitor)	US-PGPUB; USPAT	OR	ON	2009/02/04 11:50
S48	407	S47 and (frequency with time)	US-PGPUB; USPAT	OR	ON	2009/02/04 11:50
S49	0	S48 and (gas adj vavle)	US-PGPUB; USPAT	OR	ON	2009/02/04 11:51

S50	13	S48 and (gas adj valve)	US-PGPUB; USPAT	OR	ON	2009/02/04 11:51
S51	8	S48 and S41	US-PGPUB; USPAT	OR	ON	2009/02/04 11:51
S52	1127	H01H047/20 307/116,129. ccls.	US-PGPUB; USPAT	OR	ON	2009/05/19 14:11
S53	1	S52 and (relay with gas adj valve)	US-PGPUB; USPAT	OR	ON	2009/05/19 14:11
S54	6	S52 and (relay with valve) same capacitor	US-PGPUB; USPAT	OR	ON	2009/05/19 14:12
S55	0	S52 and valve with (failsafe fail?safe)	US-PGPUB; USPAT	OR	ON	2009/05/19 14:12
S56	8	((DERK) near2 (VEGTER)). INV.	US-PGPUB; USPAT	OR	ON	2009/05/19 14:12
S57	2	S56 and @py> "2007"	US-PGPUB; USPAT	OR	ON	2009/05/19 14:12
S58	37	S52 and @py> "2007"	US-PGPUB; USPAT	OR	ON	2009/05/19 14:13
S59	2	S58 and (second adj frequency)	US-PGPUB; USPAT	OR	ON	2009/05/19 14:13
S60	12	S52 and (first adj frequency) with (second adj frequency)	US-PGPUB; USPAT	OR	ON	2009/05/19 14:13
S61	0	S52 and ((first adj frequency) with (second adj frequency) with capacitor)	US-PGPUB; USPAT	OR	ON	2009/05/19 14:14
S62	229	((first adj frequency) with (second adj frequency) with capacitor).clm.	US-PGPUB; USPAT	OR	ON	2009/05/19 14:14
S63	1	S62 and (relay with valve). clm.	US-PGPUB; USPAT	OR	ON	2009/05/19 14:14

### EAST Search History (Interference)

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